

Claim Amendment under 37 C.F.R. §1.121

Claim 1. (Currently amended) An automatic control system for a parking brake of an automobile having an oil pipe 13 connecting a brake master cylinder 1 with a wheel cylinder 2, the system comprising:

a selection switch 9 for switching to an AUTO mode or a SEMI/AUTO mode for a braking mode, comprising by having an AUTO mode terminal 9a for automatically controlling a main brake and a parking brake and a SEMI/AUTO mode terminal 9b for actuating either the main brake during traveling or the parking brake upon the status of KEY-OFF;

a solenoid check valve 3 installed between an oil outlet 1a of the brake master cylinder 1 and the oil pipe 13, having a plus electrode thereof connected to a plus electrode of a battery by being connected to a relay proximity switch 4a, and actuated by an ON/OFF type control of a relay 4;

[[a]] the relay 4 controlled by a stop sensing sensor 6 by way of ON/OFF according to whether or not [[a]] the proximity switch S17 installed in [[a]] an accelerate pedal 11 and a proximity switch S28 installed in a brake pedal 12 contact and a detect signal from a speed sensor 5 sensing the speed of the automobile; and

a stop sensing sensor circuit connected in series to [[a]] the proximity switch S28 installed in [[a]] the brake pedal 12 by connecting in series an AUTO mode terminal 9a of the selection switch 9 connected to an output terminal of KEY switch 10 with the proximity switch S28 connected to a power source of the relay 4 and connecting in parallel SEMI/AUTO mode terminal 9b with the stop sensing sensor 6 output terminal;

wherein according to a driver's selection of AUTO mode terminal 9a or SEMI/AUTO mode terminal 9a from the selection switch 9, the relay 4 controlled by the stop sensing sensor 6, the proximity switch S16 and the proximity switch S28 controlling the solenoid check valve 3 installed between the oil pipe 13 and the oil inlet 1a of the brake master cylinder 1 by way of free flow or control flow; whereby, wherein upon stepping on a brake pedal 12, the main brake being is operated during traveling, whereas wherein on stopping the parking brake being is operated by the main brake without operating the parking brake in the status of stopping.

2. (Currently amended) The system according to claim 1, wherein[[.]] when an electric power is OFF, reverse flow control is effected so that an oil pressure conveyed from the brake master cylinder 1 to the wheel cylinder 2 may is not allowed to return to the brake master cylinder 1. ~~whereas, wherein~~ when the electric power is ON, free flow of the oil pressure is effected so that the oil pressure conveyed to the wheel cylinder 2 may is allowed to return to the brake master cylinder 1, and wherein the solenoid check valve 3 includes comprises a manual operating button 3a.
3. (Currently amended) The system according to claim 1, wherein the selection switch 9 includes comprises an AUTO mode terminal 9a for automatically controlling the main brake and the parking brake ~~by way of selection~~ and a SEMI/AUTO mode terminal 9b for actuating the parking brake only when the KEY switch is OFF.